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TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
1073.060A

In Re Application Of: **DILLER et al.**

Serial No.
09/832,786

Filing Date
April 11, 2001

Examiner
Cheyne D. Ly

Group Art Unit
1631

Title: **PRIORITIZATION OF COMBINATORIAL LIBRARY SCREENING**

SEP 26 2003

Address to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☐ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☒ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☒ the fee set forth in 37 CFR 1.17(p).

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PRIORITIZATION OF COMBINATORIAL LIBRARY SCREENING

Payment of Fee

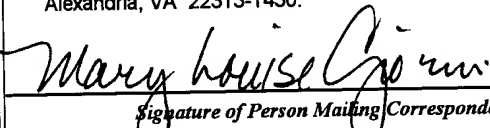
(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☒ A check in the amount of **\$180.00** is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account **08-1935** as described below.
- ☐ Charge the amount of
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

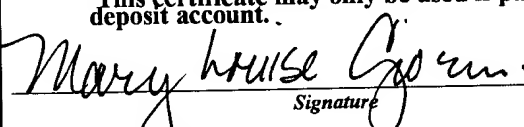
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Signature

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Dated: September 23, 2003



SUPPLEMENTAL INFORMATION DISCLOSURE CITATION	D cket No. 1073.060A	Serial No. 09/832,786
	Applicant: DILLER et al.	
	Filing Date: April 11, 2001	Group: 1631

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	5,854,992	12/29/1998	Shakhnovich et al.	702	27	

FOREIGN PATENT DOCUMENTS

		<u>DOCUMENT NUMBER</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>Subclass</u>	<u>Translation</u>	
							<u>Yes</u>	<u>No</u>
	BA	WO 01/97098 A2	20Dec2001	PCT				

Other Documents (including Author, Title, Date, pertinent public. etc.)

CA	Welch et al., Hammerhead: Fast, Fully Automated Docking Of Flexible Ligands To Protein Binding Sites, Chemistry & Biology, June 1996, Vol. 3, pp. 449-462
CB	Rarey, et al., A Fast Flexible Docking Method Using an Incremental Construction Algorithm, J. Mol. Biol., 1996, 261, pp. 470-489
CC	Jones et al., Development and Validation of a Genetic Algorithm for Flexible Docking, J. Mol., Biol., 1997, 267, pp. 727-748
CD	Sun et al., CombiDOCK: Structure-based Combinatorial Docking and Library Design, Journal of Computer-Aided Molecular Design, 1998, Vol. 12, pp. 597-604
CE	Baxter et al., Flexible Docking Using Tabu Search and an Empirical Estimate of Binding Affinity, PROTIENS: Structure, Function, and Genetics, 1998, 33, pp. 367-382
CF	Diller et al., High Throughput Docking for Library Design and Library Prioritization, PROTEINS: Structure, Function, and Genetics, 2001, 43, pp. 113-124
CG	Kirkpatrick, et al., Optimization by Simulated Annealing, SCIENCE, Vol. 220, Number 4598, 13 May 1983, pp. 671-680
CH	Makino et al., DREAM++: Flexible Docking Program for Virtual Combinatorial Libraries; Journal of Computer-Aided Molecular Design, 13, 513-532, 1999

Examiner	Date Considered
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INFORMATION DISCLOSURE CITATION

CI	Rarey et al., A Recursive Algorithm for Efficient Combinatorial Library Docking, <i>Perspectives in Drug Discovery and Design</i> , 20: 63-81, 2000
CJ	P.J. Goodford, "A Computational Procedure for Determining Energetically Favorable Binding Sites on Biologically Important Macromolecules", <i>Journal of Medicinal Chemistry</i> , 1985, Vol. 28, No. 7, (1985) American Chemical Society, pp. 849-857
CK	M. Rarey, B. Kramer & T. Lengauer, "The Particle Concept: Placing Discrete Water Molecules During Protein-Ligand Docking Predictions", <i>PROTEINS: Structure, Function, and Genetics</i> 34:17-28 (1999), 1999 WILEY-LISS, INC., pp. 17-28
CL	B. Kramer, M. Rarey & T. Lengauer, "Evaluation of the Flex Incremental Construction Algorithm for Protein-Ligand Docking", <i>PROTEINS: Structure, Function, and Genetics</i> 37:228-241 (1999), 1999 WILEY-LISS, INC., pp. 228-241
CM	United States Serial No. 09/595,096 filed June 15, 2000 (Our Ref. 1073.060)
CN	United States Serial No. 10/320,752 filed December 16, 2002 (Our Ref. 1073.060B)

Date Considered